[Abstract]ABSTRACT OF THE DISCLOSURE

A method for carrying out channel equalization in a radio receiver wherein an impulse response is estimated, noise power is determined by estimating a covariance matrix of the noise contained in a received signal before prefiltering, and tap coefficients of prefilters and an equalizer are calculated. The method comprises determining the noise power after prefiltering by estimating a noise covariance matrix, after which input signals [[(416, 418)]] of the channel equalizer are weighted by weighting coefficients obtained from the noise covariance estimation.

[[(Figure 4)]]

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